

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001568**Date Inspected:** 06-Feb-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 3AW, OBG 4AW, OBG 3BW**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**OBG 3AW**

Performed joint abrasive blast inspection with ABF and ZPMC QC personnel on the box girder assemblies base metal surfaces. All areas SP-10 profiles were obtained by ZPMC QC and verified by Caltrans QA Lumley.

Ambient conditions were monitored by ZPMC QC and found acceptable for coating application of Interzinc 22 to commence.

**OBG 4AW**

ZPMC and ABF with Caltrans QA Lumley performed joint abrasive blast inspection of base metal faying surfaces for box girder assemblies, also "T" stiffener base metal faying surfaces. SP-10 achieved ZPMC monitor ambient conditions and obtain blast profiles and commenced application of Interzinc 22 to these areas.

**OBG 3BW**

Adhesion re-test of failed areas of Interzinc 22 interior surfaces as designated by Caltrans QA Lumley the following values were observed: 1) 10.23MPa 2) 7.34 MPa both tests exceed minimum specified value of 4MPa.

**Summary of Conversations:**

Caltrans QA Lumley informed ZPMC and ABF QA representatives that neither the use of brown corundum abrasive material nor outside painting had been in compliance for use as of this day. Both parties were informed to proceed at their own risk.

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## SOURCE INSPECTION REPORT

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### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James
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Quality Assurance Inspector
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<b>Reviewed By:</b>	Miller,Mark
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QA Reviewer
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